pRESP Motion Platform

# QUASAR

BY MODUS QA

# Add Multi-Directional Motion to Existing Stationary Phantoms


The QUASAR™ Respiratory Motion Platform is designed to move your existing phantoms with programmable respiratory and sinusoidal motion profiles for patient-specific QA.

The Platform's unique multi-directional motion simulation capability allows it to move in the superior/inferior direction but can also generate a lateral hysteresis motion with amplitudes up to 1.0 cm. This allows testing with phase separation.

## KEY FEATURES

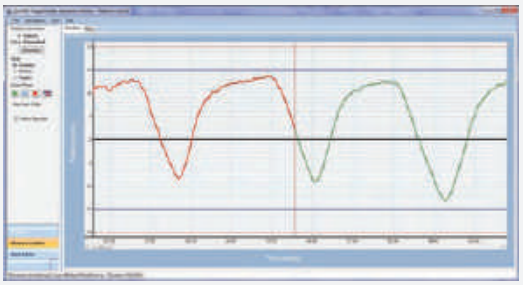
- Equipped with a large 35 x 35 cm platform surface
- Operate the platform directly from a PC or laptop
- Generates lateral hysteresis motion
- Simulates sinusoidal motion and patient-specific breathing
- Compatible with multiple motion tracking systems
- Includes an unlimited multiple site software license

## BENEFITS

- Accommodates phantoms weighing up to 20 kg
- Communicate with phantom through local area network
- Ideal for phase separation testing
- Requires no additional programming or customization
- Compatible with .VXP, .CSV, .TXT, .DCM, .LOG, .DAF, .IMA
- Install the software on an unlimited number of computers

With a weight-bearing capacity of 20 kg, the QUASAR™ Respiratory Motion Platform can be used to move any QUASAR™ phantom and most third party phantoms.

The QUASAR™ Respiratory Motion Platform includes a Chest Wall Platform - moving in the anterior/posterior direction - which is compatible with motion tracking systems from several vendors.



***Above**: Phantom Control Module*

## PATIENT-SPECIFIC SOFTWARE

Included with the platform is the QUASAR™ Respiratory Motion QA Software application which allows you to import, create, edit and save respiratory waveforms. Easily import patient-specific waveforms from a number of respiratory gating machines including Varian Real-time Position Management™ (RPM), Anzai, Cyberknife, Philips, Respisens, and Siemens. Quickly create custom waveforms or import unique waveforms produced using tab delimited spreadsheet files.

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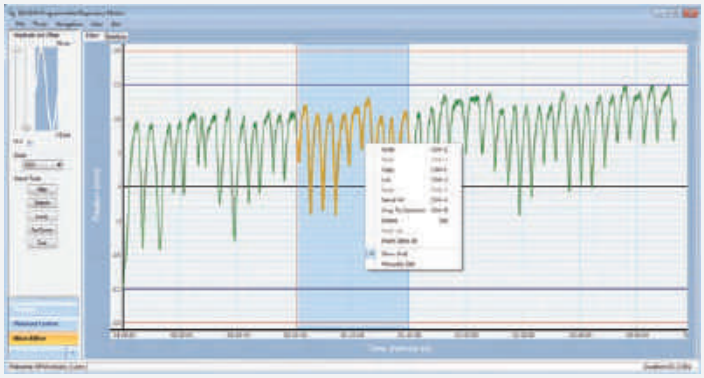
TRUSTED ACCURACY

Conveniently edit waveforms using a wide range of functions include adjusting the amplitude, stretching or compressing the timeline and filtering out high frequency noise, low frequency drift and cardiac signals.

The software is compatible with Windows 7 or better.



***Above**: Wave Editor Module*

## DOSIMETRIC AND NONDOSIMETRIC QA

Add lateral hysteresis Gating QA to the QUASAR™ Multi-Purpose Body Phantom as a cost-effective way to increase overall Adaptable Dosimetric and Nondosimetric QA testing capabilities.

***Above**: Optional lateral hysteresis Gating QA*

A flexible QA tool designed to perform both dosimetric and nondosimetric tests on radiotherapy systems, the QUASAR™ Multi-Purpose Body Phantom incorporates a wide variety of test objects in a solid acrylic housing.

## MINIMUM TECHNICAL REQUIREMENTS

- **Operating System**: Windows 7 SP1, 8.1 or 10
- **Ports**: 1 Ethernet

## SPECIFICATIONS

- Moving Platform; 35 cm x 35 cm, carries up to 20 kg
- Overall dimensions; 51 cm x 35 cm x 15 cm high
- Mass; 3 kg excluding third party phantoms
- Chest Wall Platform; 13 cm diameter, carries up to 1 kg
- Power supply: Input, 100 – 240VAC, 47 – 63 Hz
- International power cords available on request
- Output, 24VDC 2.1 A, 50 W
- Approvals: CE, UL/CSA 60950-1

## ORDERING INFORMATION

100-1010 QUASAR™ Respiratory Motion Platform

- 1-Software License
- 1-Phantom
- User's guide

## OPTIONAL ACCESSORIES

500-2004 Heavy-Duty Shipping Case 5 kg

100-1004 QUASAR™ Multi-Purpose Body Phantom


***Above**: Dosimetric and nondosimetric tests for end-to-end RT system testing*



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